

I claim:

1. A two-way trap comprising:

an inlet pipe;

an outlet pipe;

5 a general trap section attached to and disposed between the inlet pipe and outlet pipe such that when filled with water to an equilibrium water level equal to the lowest point of the outlet pipe, air does not freely communicate between the inlet pipe and the outlet pipe; and

10 an auxiliary trap section attached to one of said inlet pipe and general trap section at a point above the equilibrium water level at a first end and attached to the general trap section at a point below the equilibrium water level at a second end, such that if the general trap section became blocked water would flow through the auxiliary trap section yet air would not freely communicate between the inlet pipe and
15 the outlet pipe.

2. The two-way trap of claim 1, wherein the trap comprises an alarm for indicating when the water is flowing through the auxiliary trap section because the general trap section is blocked.

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3. The two-way trap of claim 1, wherein the two-way trap further includes a manhole to provide access for repair.

4. The two-way trap of claim 1, wherein the auxiliary trap is in vertical alignment with the general trap.
5. The two-way trap of claim 1, wherein the auxiliary trap is offset to one side of the general trap.
6. In an improved drainage system:
an inlet pipe, an outlet pipe and a general trap disposed between said inlet and outlet pipes, said general trap providing that when filled with water to an equilibrium water level equal to the lowest point of the outlet pipe, air does not freely communicate between the inlet pipe and the outlet pipe, the improvement comprising an auxiliary trap disposed between the inlet pipe and the outlet pipe and having an inlet end operatively attached to the inlet pipe and an outlet end operatively attached to the outlet pipe below the equilibrium water level, such that if the general trap became blocked, water would flow through the auxiliary trap yet air would not freely communicate between the inlet pipe and the outlet pipe.
7. The improved drainage system of claim 6, wherein:
the auxiliary trap includes a manhole to provide access for repair.
8. The two-way trap of claim 6, wherein the trap comprises an alarm for indicating when the water is flowing through the auxiliary trap section because the general trap section is blocked.

9. The improved drainage system of claim 6, wherein:
the diameter of the auxiliary trap is smaller than the diameter of the
general trap.

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10. The improved drainage system of claim 6, wherein:
the general trap and the auxiliary trap are formed from straight
plastic pipe.

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